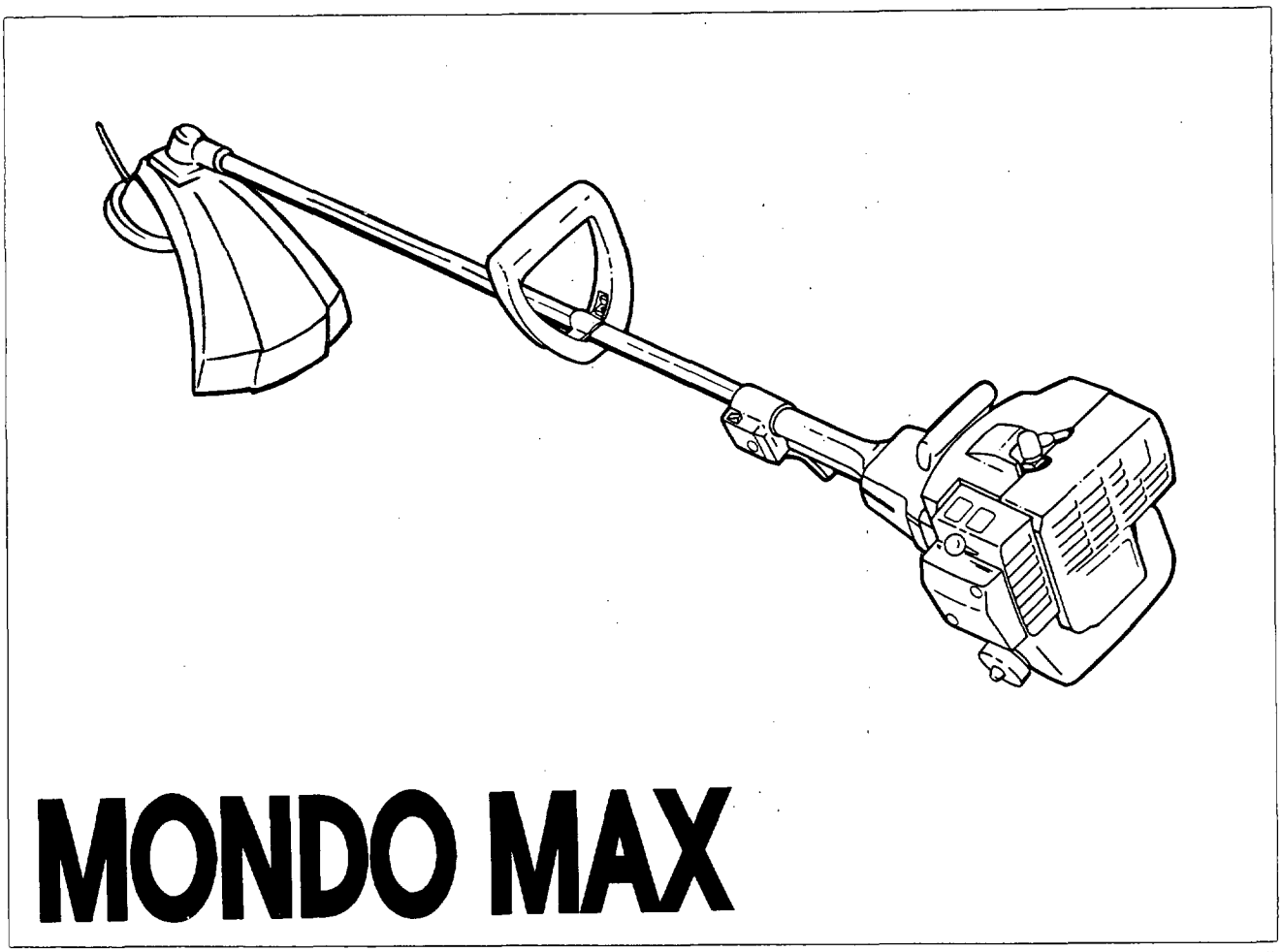
Husqvarna



MONDO MAX

Instruction manual

Please read these instructions carefully and make sure you understand them before using the trimmer.

Manuel d'instructions

Veuillez lire attentivement ces instructions et vous assurer de bien les comprendre avant d'utiliser le coupe-boidures.

Betriebsanweisung

Die Anweisungen aufmerksam durchlesen und verstehen, bevor die Rasentrimmer benutzt wird.

Manual de instrucciones

Por favor lea cuidadosamente estas instrucciones y asegúrese que las entiende antes de usar la cortadora.

Libretto d'Istruzioni

Leggere le istruzioni attentamente e capirle bene prima di usare la tagliatrice.

Handleiding

Lees deze handleiding aandachtig en zorg dat u alles begrijpt alvorens het granskantenmaaier te gebruiken.

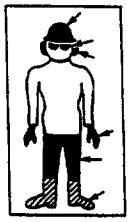
SYMBOL EXPLANATION

WARNING! This trimmer can be dangerous! Careless or improper use can cause serious or even fatal injury.

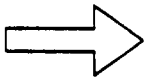
Read and understand the Operator's Manual before using the trimmer.

Never use blades with this tool.
– This tool is designed for line trimmer use only.

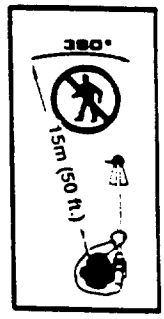
WARNING! The trimmer line can throw objects violently.
– You can be blinded or injured.
– Always wear eye protection.



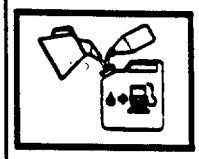
Personal safety equipment:
– Head, eye, and hearing protection
– Leg and foot protection
– Protective gloves



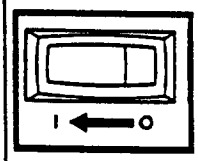
Assist handle to be positioned below the arrow.



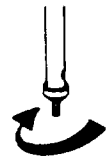
The operator of the machine must insure that no one comes within a 15 meter radius while working. When several operators are working within the same area a safety distance of at least 15 meters must be observed.



Use unleaded or quality leaded petrol.



Checks and/or maintenance should be carried out with the engine switched off, with the stop switch in the OFF position.



max
5450 rpm

Max speed of output axle, rpm

CONTENTS

Before using your new trimmer

- Read the operator's manual carefully.
- Check the assembly and adjustment of the cutting equipment. See page 9.
- Start the machine and check the carburetor settings. See page 12.

IMPORTANT! A too lean carburetor adjustment significantly increases the risk of an engine breakdown. Insufficient care of the air filter will cause deposits on the spark plug resulting in starting difficulties.

> ⚠ **WARNING!**
> **Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.**

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SAFETY INSTRUCTIONS

Personal safety equipment

IMPORTANT INFORMATION

- **Incorrect or careless use of a trimmer can turn it into a dangerous tool that can cause serious or even fatal injury. It is extremely important that you read and understand this book.**
- **When using a trimmer, safety equipment approved by the appropriate authorities must be used. Personal safety equipment does not eliminate the risk of accidents, however, it can reduce the effects of an injury in the event of an accident. Ask your dealer for help when choosing safety equipment.**

GLOVES
Gloves should be worn when necessary, e.g., when assembling cutting equipment.

EAR PROTECTION
Ear protection offering sufficient dampening effect should be used.

EYE PROTECTION
Blows from branches or objects thrown by the rotating cutting equipment can damage the eyes.

SHOES OR BOOTS
Use anti-slip and sturdy footwear.

CLOTHING
Wear clothes made of a strong fabric and avoid loose clothing that can catch on shrubs and branches.

FIRST AID KIT
A first aid kit should be carried by operators of clearing saws, brushcutters or trimmers.

The machine's safety equipment

This section describes the machine's safety equipment, its function and how checks and maintenance are carried out to ensure that it operates correctly. (See the chapter *"What is what"* to locate where this equipment is positioned on your machine.)

WARNING!
Never use a machine with defective safety equipment. Follow the control, maintenance and service instructions described in this section.

1. Stop switch
The stop switch should be used to stop the engine.

2. Guard
The guard is intended to prevent objects from being thrown towards the operator.

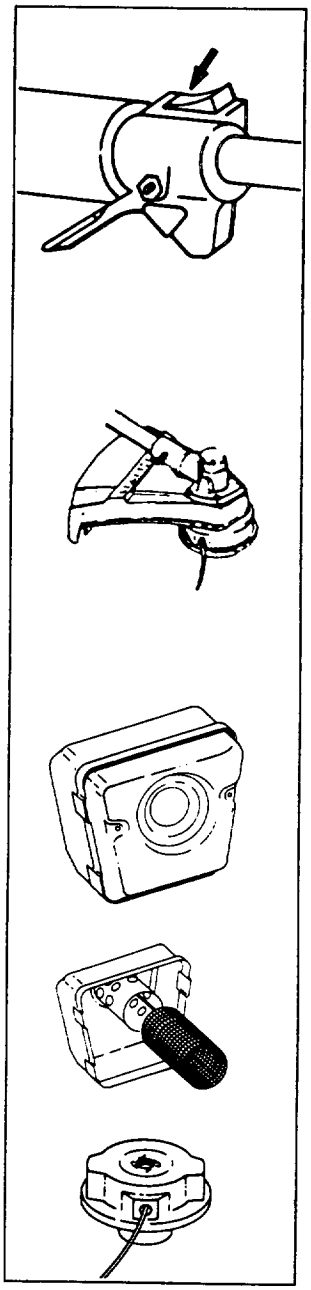
3. Silencer
The silencer is designed to give the lowest possible noise level and to direct the engine's exhaust fumes away from the operator.

The engine's exhaust fumes are hot and can contain sparks, which can lead to the outbreak of fire.

In countries that have a warm and dry climate the risk of fire is obvious. We have, therefore, fitted certain silencers with a spark arrest screen. Make sure that your silencer is fitted with this kind of screen.

It is extremely important that the instructions for checking, maintaining and servicing the silencer are followed. (See the section *"Control, maintenance and service of the machine's safety equipment"*).

4. Cutting equipment
The trimmer head is intended for clearing grass.



WARNING!
During use and for some time after the silencer is very hot. Do not touch the silencer if it is hot!

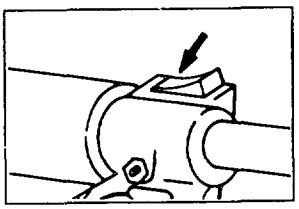
SAFETY INSTRUCTIONS

Control, maintenance and service of the machine's safety equipment

- **All service and repairs to the machine require special training.**
- **This applies especially to the machine's safety equipment. If the machine does not meet any of the controls listed below you should contact your service workshop.**
- **The purchase of one of our products guarantees that professional repair and servicing will be carried out on it. If the point of purchase is not one of our servicing dealers, please ask for details of the closest service workshop.**

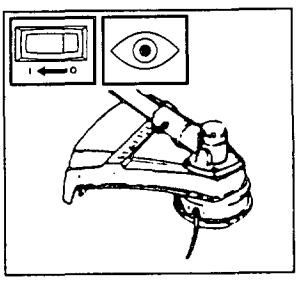
1. Stop switch

Start the engine and make sure that the engine stops when the stop switch is moved to the stop position.



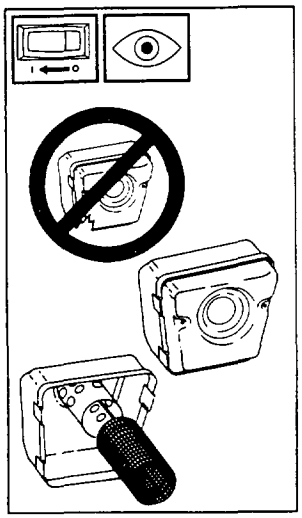
2. Guard

- Ensure that the guard is undamaged and is not cracked.
- Replace the guard if it has been exposed to impact or is cracked.



3. Silencer

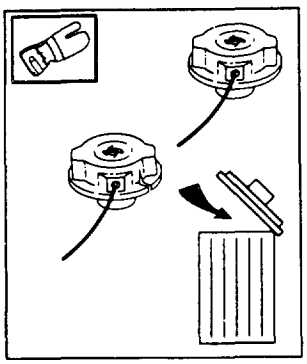
1. Never use a machine that has a defective silencer.
2. Check regularly that the silencer is secure.
3. If your silencer is fitted with a spark arrest screen then it should be cleaned regularly. A blocked screen leads to the engine overheating with serious damage as a result. Never use a silencer with a defective spark arrest screen.



4. Cutting equipment

Two basic rules:

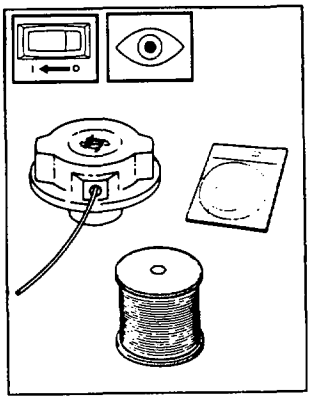
1. Only use the cutting equipment we recommend!
2. Check the cutting equipment with regard to damage and crack formation. Damaged cutting equipment should always be replaced.



WARNING!
Never use a machine with defective safety equipment. The safety equipment should be maintained as described in this section. If your machine does not meet any of these controls you should contact your service workshop.

IMPORTANT INFORMATION
The section describes how through correct maintenance and through using the right type of cutting equipment you can obtain maximum clearing capacity and increase the service life of the cutting equipment.

Cutting equipment



Trimmer head

- Only use a trimmer head and trimmer cord that is recommended. These have been tested by the manufacturer to suit a particular engine size. This is especially important when a fully automatic trimmer head is used. Only use the cutting equipment we recommend!
- Generally smaller machines require a small trimmer head and vice versa. This is because when clearing using a cord the engine must throw out the cord radially from the trimmer head and also meet resistance from the grass being cleared.
- The length of the cord is also important. A longer cord requires greater engine power than a shorter cord of the same diameter.
- Make sure the knife positioned on the trimmer guard is intact. This is used to cut the cord to the correct length.
- To increase the life of the cord it can be soaked in water for a few days. This will make the line tougher and it will keep longer.

WARNING!
Always stop the engine before starting work on any part of the cutting equipment. This continues to rotate even after the throttle has been released. Ensure that the cutting equipment has stopped completely and remove the cable from the spark plug before you start to work on it.

SAFETY INSTRUCTIONS

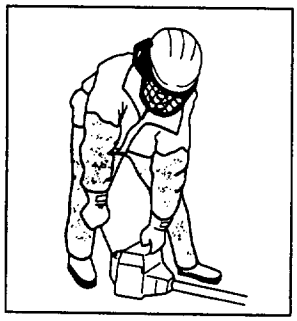
General safety instructions

- **The only accessories to be used with the engine unit as a drive source are the cutting units we recommend.**
- **Never use the machine if you are tired, if you have consumed alcohol, or if you are taking medicines that can affect your sight, your judgement or the control of your body.**
- **Use personal safety equipment. See the section *"Personal safety equipment".***
- **Never use a machine that has been modified so that it no longer corresponds with the original design.**
- **Never use a machine that is faulty. Follow the maintenance, control and service instructions in this Operator's Manual.**
- **Some maintenance and service actions should be carried out by trained and qualified specialists. See the chapter *"Maintenance".***

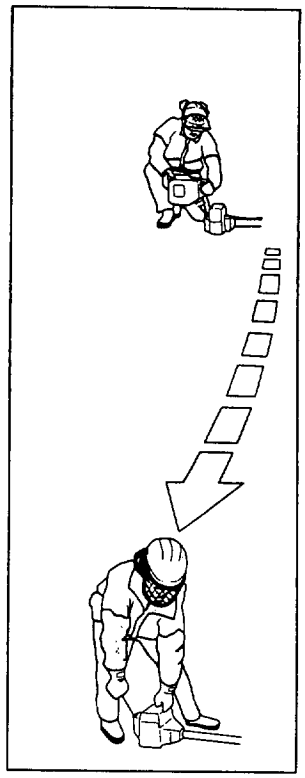
WARNING!
Faulty cutting equipment increases the risk of accidents.

Start

- Never start the machine indoors. Bear in mind the dangers of inhaling the engine's exhaust fumes.
- Observe your surroundings and make sure that there is no risk of people or animals coming into contact with the cutting equipment.
- Place the machine on the ground, make sure the cutting head is free from branches and stones. Press the machine body against the ground using your left hand (NOTE! Do not use your foot). Grip the starter handle with your right hand and pull the starter cord.



Fuel safety



- Never fill the machine while the engine is running.
- Provide good ventilation when filling or mixing fuel (petrol and 2-stroke oil).
- Move the machine at least 3m from the filling position before starting.
- Never start the machine:
  a) If you have spilt fuel on it.
  b) If you have spilt fuel on yourself or your clothes. Change your clothes.
  c) If there is a fuel leak. Make regular checks for leakage from the fuel cap and the fuel supply pipes.

Storage

- Store the machine and fuel so that any leakage or fumes do not risk coming into contact with sparks or naked flames. For example, electric machines, electric motors, electrical switches/power switches, heaters or the like.
- When storing fuel approved containers intended for this purpose must be used.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local petrol station to find out how to dispose of excess fuel.

WARNING!
Exercise great care when handling fuel. Bear in mind the risk of fire, explosions and inhaling fumes.

General working instructions

IMPORTANT INFORMATION

- **This section takes up the basic safety precautions for working with the trimmer.**
- **If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop.**
- **Avoid all usage which you consider to be beyond your capability.**

Basic safety precautions

1. Observe your surroundings:

- To ensure that people, animals or other things cannot affect your control of the machine.
- To ensure that the above mentioned do not come into contact with the cutting equipment or objects that can be thrown by the cutting equipment.

SAFETY INSTRUCTIONS

WARNING!
Never use a machine without the possibility of calling for help in the event of an accident.

2. Avoid usage in unfavorable weather conditions. For example, thick fog, heavy rain, strong winds or extreme cold, etc. To work in bad weather conditions is tiring and can create dangerous circumstances, e.g. slippery surfaces.

3. Make sure you can walk and stand safely. Look out for any obstacles with unexpected movement (roots, stones, branches, pits, ditches, etc.). Take great care when working on sloping ground.

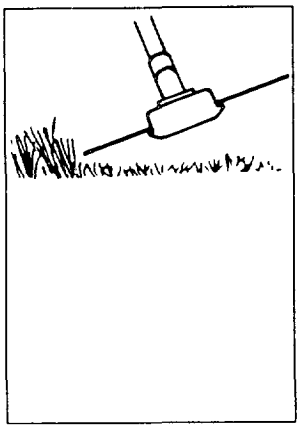
4. The engine should be switched off before moving.

5. Never put the machine down with the engine running unless you have good sight of it.

Basic working techniques

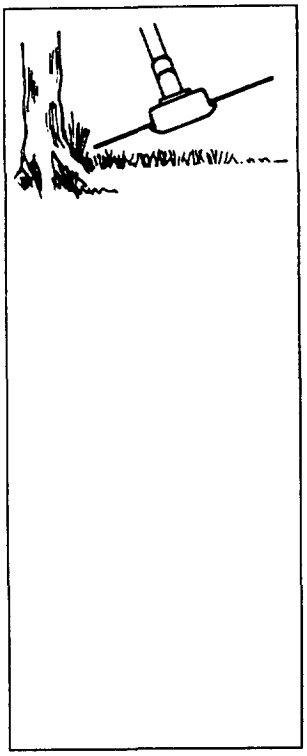
- Always trim at full throttle.
- Always drop to idling speed after each working operation. Longer periods running at full throttle without loading the engine (that is without resistance, which the engine feels from the cutting equipment when trimming) can lead to serious engine damage.

WARNING!
Sometimes grass can collect in the guard and cutting head. Always stop the engine when cleaning.



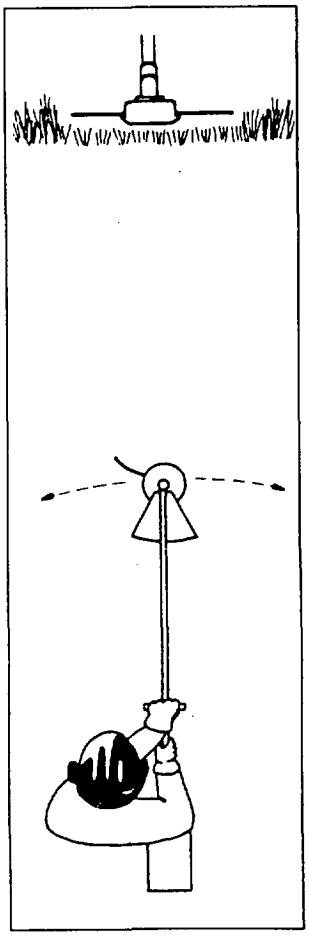
- Hold the trimming head just above the ground. It is the end of the cord that carries out the work. Let the cord work at its own pace. Do not press the cord into the area to be cut.
- The cord can easily remove grass and weeds up against walls, fences, trees and borders, however, it can also damage sensitive bark on trees and bushes and damage fence posts.
- Avoid damaging ornamental trees and bushes by standing so that the rear edge of the guard lies between the stem and the trimmer head, and work around the tree.

Clearing



- The clearing technique removes all unwanted vegetation. Keep the trimmer head just above the ground and tilt it. Let the end of the cord strike the ground around trees, posts, statues and the like. NOTE! This technique increases the wear on the cord.
- The cord wears quicker and must be fed forward more often when working against stones, brick, concrete, metal fences, etc. than when coming into contact with trees and wooden fences.
- When trimming and clearing you should use less than full throttle so that the cord lasts longer and to reduce the wear on the trimmer head.

Trimming



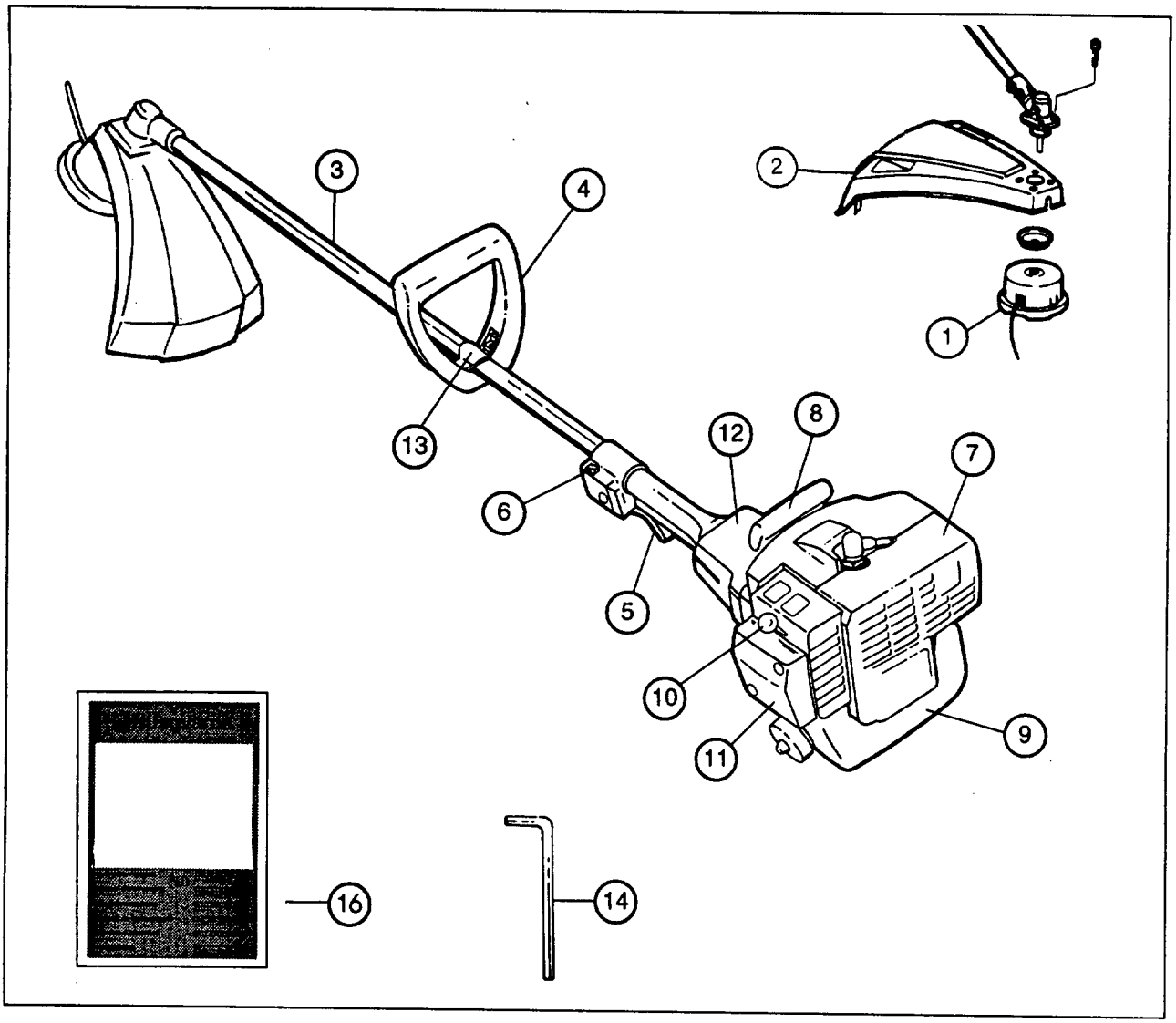
- The trimmer is ideal to cut grass that is difficult to reach using a normal lawn mower. Keep the cord parallel to the ground when cutting. Avoid pressing the trimmer head against the ground as this can ruin the lawn and damage the tool.
- When cutting and sweeping you should use full throttle to obtain the best results.

Sweeping

- The rotating cord's fanning effect can be used for quick and easy cleaning. Hold the cord parallel to and above the area to be swept and move the trimmer from side to side.
- Do not allow the trimmer head to constantly come into contact with the ground during normal cutting procedures. Constant contact can cause damage and wear to the trimmer head.

WARNING!
Always wear eye protection. Never lean over the trimmer's guard. Stones and rubbish can be thrown up into the eyes and cause blindness or serious injury.

WHAT IS WHAT?



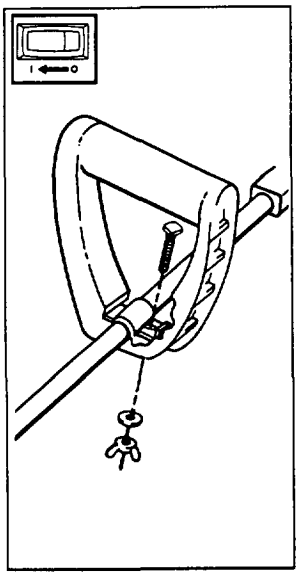
What is what on the trimmer?

1. Trimmer head
2. Guard
3. Shaft
4. Assist handle
5. Throttle
6. Stop switch
7. Cylinder cover
8. Starter handle
9. Fuel tank
10. Choke
11. Air filter cover
12. Nose cone
13. Assist handle adjustment
14. Hex key

ASSEMBLY

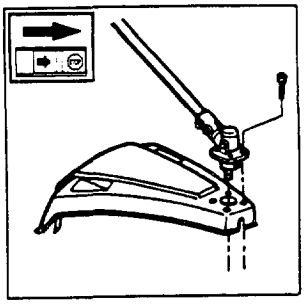
Assembling the assist handle

WARNING!
When adjusting the assist handle for comfort, be sure that the assist handle remains above the safety label.



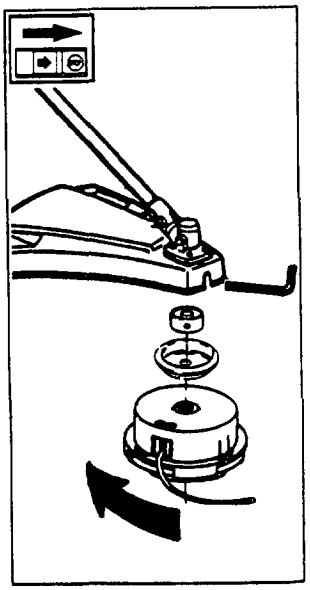
- Insert the bottom end of the shaft through the assist handle.
- Align the assist handle between the safety label and the throttle trigger housing. Seat shaft in the groove in the assist handle.
- Insert the tab on assist handle bracket into the slot on the assist handle. Then, lay the assist handle bracket into place over the shaft.
- Insert assist handle screw down through the hole in the assist handle bracket and then through the assist handle.
- Assemble assist handle washer and assist handle wing nut onto the assist handle screw. Tighten securely.
- Adjust assist handle up or down the tube *(but above the safety label)* to a comfortable position.
- Rotate assist handle from left to right to tilt the angle of the trimmer head when cutting a large, sloped area such as a ditch bank.

Assembly of the plastic guard & trimmer head



Plastic guard

- Remove plastic packing cover from arbor shaft.
- Place debris shield under the bearing housing and align screw holes. Make sure the widest part of the debris shield is pointing toward the engine.
- Insert the four screws through the bearing housing into the debris shield.
- Tighten the screws evenly and securely.



Trimmer head

- Install dust cup over arbor shaft.
- Align the hole in the dust cup with the hole in the center front of the bearing housing by turning the dust cup.
- Install the grass washer over the arbor shaft. Make sure the grass washer is against and curved over the dust cup.
- Start threading the semi-automatic head onto the arbor shaft.
- Insert the large hex key (provided) into the aligned holes to keep the arbor shaft from turning.
- Tighten the semi-automatic head against the grass washer and dust cup while holding the large hex key.
- Remove the large hex key.

OPERATING PROCEDURES

WARNING!
Trimmers are fitted with two-stroke engines and must always be run on a mixture of petrol and two-stroke oil. To ensure the correct mixture proportions it is important to measure the quantity of oil accurately. When mixing small amounts of fuel small discrepancies in the amount of oil has a great bearing on the proportions of the fuel mixture. Always provide good ventilation when handling fuel.

Fuel mixture

Petrol

- Use unleaded or quality leaded petrol.
- The lowest recommended octane rating is 90. If you run the engine on a petrol with a lower octane rating than 90 so-called "knocking" can occur. This leads to an increased engine temperature, which can result in a serious engine breakdown.

Two-stroke oil

- For the best results use HQ two-stroke oil, which has been specially produced for trimmers. Mixing ratio 1:50 (2%).
- If HQ two-stroke oil is not available you can use a high quality two-stroke oil intended for air cooled engines. Contact your dealer when selecting an oil. Mixing ratio: 1:33 (3%) – 1:25 (4%).
- Never use two-stroke oil intended for water cooled outboard motors, so-called outboard motor oil.
- Never use oil intended for four-stroke engines.

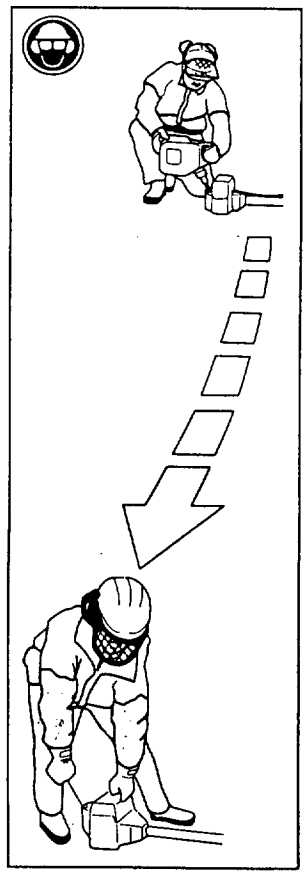
Mixture

- Always mix petrol and oil in a clean container intended for petrol.
- Always start by filling half the quantity of petrol required. Then add the entire oil quantity. Mix (shake) the fuel mixture. Fill the remaining quantity of petrol.
- Mix (shake) the fuel mixture carefully before filling in the machine's fuel tank.
- Do not mix fuel for more than approx. 2 months use.
- If the trimmer is not used for a long period of time, the fuel tank should be emptied and cleaned.

Fueling

WARNING!
The following precautions reduce the risk of fire:
Do not smoke or place any sources of heat in the vicinity of the fuel. Never refuel when the engine is running. Open the fuel cap slowly when fueling so that any over pressure is released slowly. Tighten the fuel cap carefully after refueling. Always move the machine from the fueling place before starting.

- Clean around the fuel cap. Contamination in the tank can disrupt operations.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.

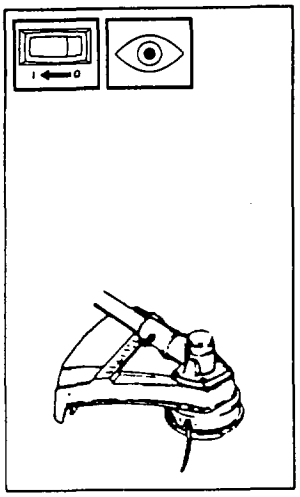


Lit.	Lit.		
	2%(1:50)	3%(1:33)	4%(1:25)
5	0.10	0.15	0.20
10	0.20	0.30	0.40
15	0.30	0.45	0.60
20	0.40	0.60	0.80

START AND STOP

Control before starting

For reasons of safety follow these recommendations!



- Check that the trimmer head and the trimmer guard are not damaged or cracked. Replace the trimmer head or trimmer guard if it has been exposed to impact or if it is cracked.

Start and stop

WARNING!
Always move the machine from the filling position before starting. Place the machine on a flat surface. Make sure the trimmer head cannot come into contact with any object. Make sure that no unauthorized persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 15 meters.

Cold engine

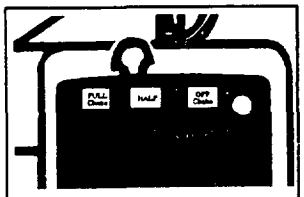
IGNITION:
Set the stop switch to the start position.
CHOKE:
Set the choke control in the choke position.

- Press the primer bulb 6 times.
- Grasp rear handle and squeeze throttle trigger fully. *Keep the throttle trigger fully squeezed until the engine runs smoothly.*
- Pull starter rope until engine pops or attempts to run, but no more than 8 pulls at full choke to avoid flooding the engine. *The engine "pop" or "attempts to run" may be hard to hear. The operator must listen carefully.* After 8 pulls, proceed to next step even if engine has not attempted to run.
- Move choke to "half" position.
- Pull starter rope sharply until engine runs, but no more than 5 pulls. NOTE: If engine has not started after 5 pulls, repeat above steps.
- Allow engine to run 5 seconds, then push Choke to "off" position. *Keep trigger fully squeezed until engine runs smoothly.* NOTE: If engine dies with choke at "off" position, repeat last 2 steps.

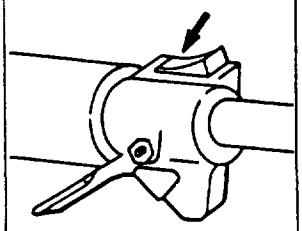
WARNING!
Avoid any bodily contact with the muffler when starting a warm engine. A hot muffler can cause serious burns.

Warm engine

IGNITION:
Set the stop switch to the start position.
CHOKE:
Set the choke control in the half position.

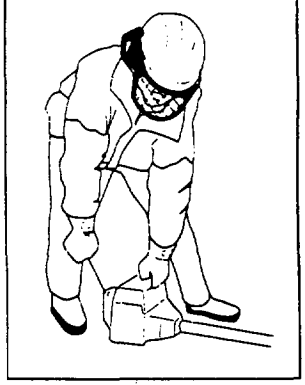


- Grasp rear handle and squeeze throttle trigger fully. *Keep the throttle trigger fully squeezed until the engine runs smoothly.*
- Pull starter rope until engine runs, but no more than 5 pulls.
- Move choke to "off" position. *Keep trigger fully squeezed until engine runs smoothly.* NOTE: If engine does not run after 5 pulls, it is probably flooded. Wait a few minutes and repeat procedure with choke at "off" position.



Warm engine (after running out of fuel)

REFUEL ENGINE:
Move 3 meters away from fueling site.
CHOKE:
Set the choke control in the half position.



- Press the primer bulb 6 times.
- Grip rear handle and keep throttle trigger fully squeezed until engine runs.
- Pull starter rope sharply until engine pops or attempts to run, but no more than 5 pulls.
- Move the choke lever to the "off" position.
- Pull starter rope until engine runs, but no more than 5 pulls. *Keep trigger fully squeezed until engine runs smoothly.* NOTE: If engine has not started, pull starter rope 5 more pulls. If engine still does not run, it is probably flooded. Wait a few minutes and repeat procedure with choke at "off" position.

MAINTENANCE

Carburetor adjustments

NOTE! Properly adjusting the carburetor is a complicated task. Read all warnings and instructions thoroughly before starting adjustments. If you do not think that you completely understand all warnings and instructions, let your authorized service dealer perform these adjustments.

WARNING!
Make carburetor adjustments with the lower end supported to prevent trimmer line from contacting any object. Hold unit with your hand; do not use optional shoulder strap for support.

WARNING!
Keep others away when making carburetor adjustments.

WARNING!
Serious injury to the operator and others can occur if the carburetor is not properly adjusted.

- Poor engine performance can be a result of other causes such as a dirty air filter, carbon build-up on muffler outlets, clogged fuel filter, etc.
- For best results, it is recommended that you have an authorized service dealer make all carburetor adjustments. Your dealer has the training, experience, and tools necessary to properly adjust your unit to meet our factory performance specifications. *This service is not covered by warranty.* If it becomes necessary for you to make carburetor adjustments yourself, follow the described procedures very carefully.
- Very small adjustments can affect engine performance. It is important to turn the screw a very small amount per adjustment and test performance before making further adjustments. Each adjustment should be no more than the width of the slot in the adjusting screw.
- **This is a complicated task; it is important to follow instructions in sequence as indicated.**

Trouble shooting suggestions

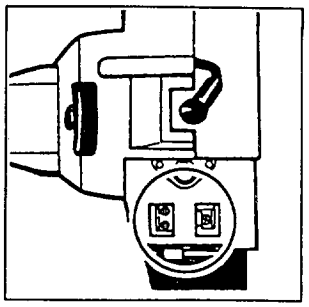
- Engine will not continue to run at idle position. See "Idle speed mixture adjustment" and 'Low speed mixture adjustment."
- Trimmer head continues to spin when the engine idles. See "Idle speed mixture adjustment" and "Low speed mixture adjustment."
- Engine dies or hesitates when it should accelerate. See "Acceleration check."
- Loss of cutting power which cannot be corrected by cleaning the air filter. See "High speed mixture adjustment."
- Engine will not run. If the carburetor requires adjustment, begin with "Basic carburetor settings."

WARNING!
The trimmer line will be spinning during most of the procedure. Wear protective equipment and observe all safety instructions.

Basic carburetor settings

NOTE! In most cases, your engine can be made to run properly with minor carburetor adjustments. Refer to "Trouble shooting suggestions" in the left column for the condition you are experiencing and follow the instructions. The basic carburetor settings are provided in the following instructions.

- Turn the low speed screw and high speed screw to the midpoint between the limiter cap stops.



Adjusting procedure preparation

- Use a fresh fuel mix. See "Fueling your engine."
- Make sure the line extends to the length allowed by the line limiter to provide correct load on engine.
- Start the engine. Cut grass for 3 minutes to warm engine. The engine must be at operating temperature before carburetor adjustments can be performed correctly.

Idle speed adjustment

- Allow engine to idle.
- Adjust idle speed screw until engine continues to run without stalling and without trimmer head moving.
  - *Turn screw clockwise to increase engine speed if the engine stalls or dies.*
  - *Turn screw counterclockwise to slow engine down and/or to keep trimmer head from turning.*
- Follow instructions in "Acceleration check."
- No further adjustments are necessary if the trimmer head does not turn at idle speed and if performance is satisfactory.

WARNING!
Recheck idle speed after each adjustment. The trimmer head must not turn at idle speed to avoid serious injury to the operator and others.

Acceleration check

- Allow the engine to idle.
- Squeeze the throttle trigger fully.
  - If performance is satisfactory, no further adjustments are necessary.
  - If the engine does not accelerate smoothly, turn the low speed screw counterclockwise a small amount (no more than the width of the slot in the adjusting screw).
- Repeat previous step until smooth acceleration is obtained. *Do not attempt to turn the screws beyond the stops as damage can occur.*

NOTE! It may be necessary to repeat "Idle speed adjustment" through "Acceleration check" to obtain correct adjustments.

Low speed mixture adjustment

- Allow the engine to idle.
- Turn the low speed screw slowly clockwise until the speed starts to drop. *Do not attempt to turn the screws beyond the stops as damage can occur.*
- Turn the low speed screw counterclockwise until the speed increases and then starts to drop again. *Do not attempt to turn the screws beyond the stops as damage can occur.*
- Set the low speed screw at the midpoint between the two positions.
- Readjust the idle speed (see "Idle speed adjustment).

MAINTENANCE

High speed mixture adjustment

CAUTION! Do not operate the engine at full throttle for prolonged periods while making high speed adjustments as damage to the engine can occur.

NOTE! Adjust the high speed screw 1/16 of a turn at a time. A turn of 1/16 inch is about the width of the screwdriver slot in the top of the screw.

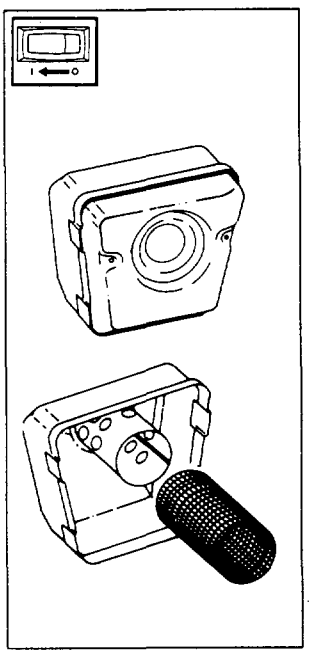
- Allow the engine to idle, then squeeze the throttle trigger fully.

NOTE! Perform the following steps at full throttle.

- Turn the high speed screw counterclockwise until it stops. *Do not attempt to turn the screws beyond the stops as damage can occur.*
- Turn the screw the minimum amount clockwise until the engine runs smoothly. *Do not attempt to turn the screws beyond the stops as damage can occur.*
- If the engine accelerates and runs smoothly, no further adjustments are necessary.
- Recheck and follow steps in "Acceleration check."

CAUTION! If the engine does not operate according to these instructions after repeating the adjusting steps, do not use the tool. Take it to your authorized service dealer.

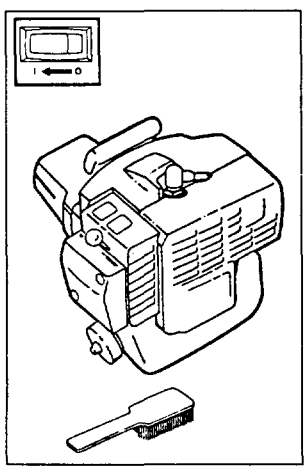
Silencer



The silencer is designed to dampen the noise level and to direct the exhaust fumes away from the user. The exhaust fumes are hot and can contain sparks, which can result in fire if the exhaust fumes are directed towards a dry or inflammable material. Some silencers are fitted with a special spark arrest screen. If your machine is fitted with the type of silencer then the screen should be cleaned at least once a week. This is done using a wire brush. If the screen is damaged in any way it should be replaced. If the screen is blocked this will result in the engine overheating and damage to the cylinder and piston.

NOTE! Never use a machine with a defective silencer.

Cooling system

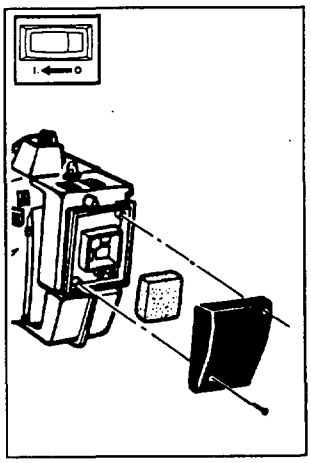


To maintain as low an operating temperature as possible the engine is equipped with a cooling system.
The cooling system consists of:
1. An air intake on the starter unit.
2. Cooling fins on the flywheel.
3. Cooling fins on the cylinder.
4. Cylinder cover (leads cold air onto the cylinder).

Clean the cooling system using a brush at least once a week, in difficult conditions more often.

A dirty or blocked cooling system leads to the engine overheating resulting in damage to the cylinder and piston.

Air filter



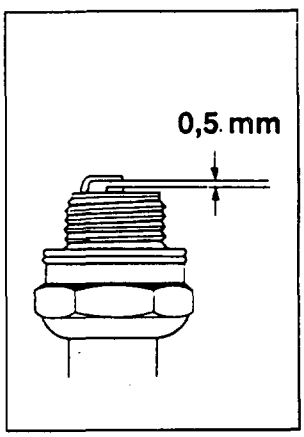
The air filter should be cleaned regularly removing dust and dirt to avoid:
- carburetor malfunction
- starting problems
- reduced engine power
- unnecessary wear to engine parts
- abnormal fuel consumption

Clean the filter after every 25 hours or more regularly if operating conditions are exceptionally dusty.

Cleaning the air filter

Dismantle the air filter cover and remove the air filter. Wash in clean, warm soapy water. Ensure that the filter is dry before refitting. An air filter used for a long period of time can never be cleaned completely.
Therefore, it is necessary to replace the filter from time to time with a new filter. A damaged air filter must always be replaced.

Spark plug



The condition of the spark plug is affected by:

- An incorrect carburetor setting.
- An incorrect fuel mixture (too much oil).
- A dirty air filter.

These factors cause deposits on the spark plug electrode that may result in malfunction or starting difficulties.

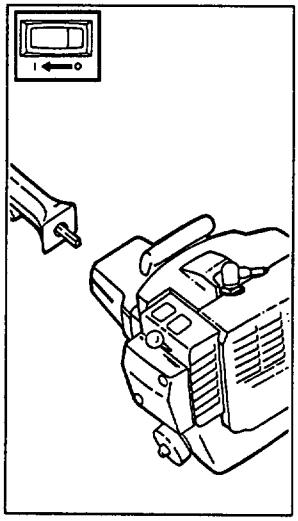
If the machine is low on power, difficult to start or runs poorly while idling always check the spark plug first.

If the spark plug is dirty, clean it and at the same time check that the electrode gap is 0.5 mm. The spark plug should be changed after abut one month of operation or earlier if necessary.

NOTE! Always use the recommended type of spark plug. An incorrect spark plug can damage the cylinder/piston.

MAINTENANCE

Lubricating the flexible drive shaft



Inside the trimmer's drive shaft housing is a flexible drive shaft. The flexible drive shaft should be regularly lubricated after 30 hours of operation. Loosen the two nose cone screws and remove the drive shaft from the nose cone. The flexible drive shaft is easily removed from the housing by taking a firm grip on the end of the drive shaft. Lubricate the flexible drive shaft over its entire length and reinsert it in the housing. Reinstall the drive shaft housing into the nose cone and tighten the two nose cone screws securely and evenly.

Line replacement

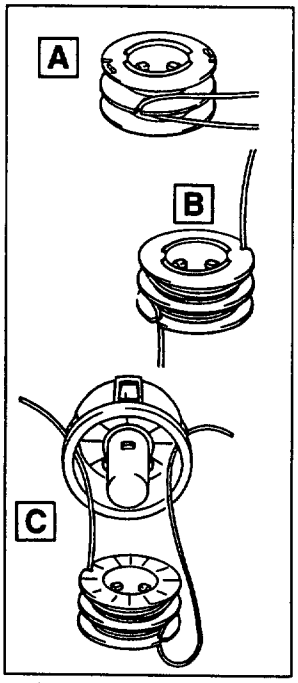
Cutting line may be replaced by one of two different methods: rewinding the existing spool or installing a prewound spool.

> **WARNING!**
> **Always use genuine replacement line. Do not use wire or metal reinforced line – broken pieces can become dangerous missiles.**

Removing the existing spool

1. Press the lock tabs and remove the cover.
2. Remove the spool.
3. Check the indexing teeth on the spool and hub for wear.
4. Use a clean cloth to wipe the inner/outer surfaces of the spool and hub.

Rewinding the existing spool

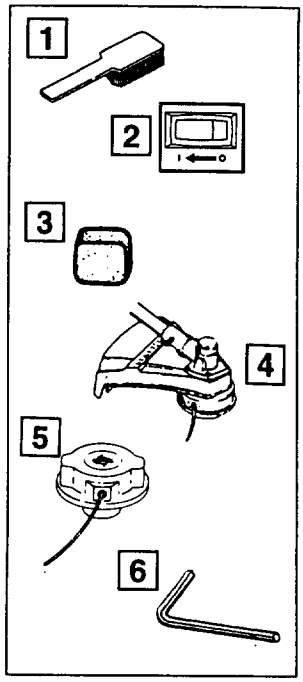


1. Use only .080 inch (2mm) diameter line.
2. Cut a length of line approximately 22 feet (6.5m).
3. Bend the line at the mid-point.
4. Insert the bend into the slot in the center rim of the spool (A).
5. Wind both lines in direction of arrows on spool (A).
   Note: Failure to wind the line in the direction indicated or using excessive line will cause the bump head to operate incorrectly.
6. Push the line into the notches as shown, leaving about 6 inches (15cm) unwound (B).

Installing the spool

1. Insert line into line exit holes in hub as shown (C).
2. Align the notches with the line exit holes.
3. Push spool into the hub until it snaps into place.
4. Pull the ends of the line to seat spool in hub.
5. Reinstall the cover.

Maintenance schedule

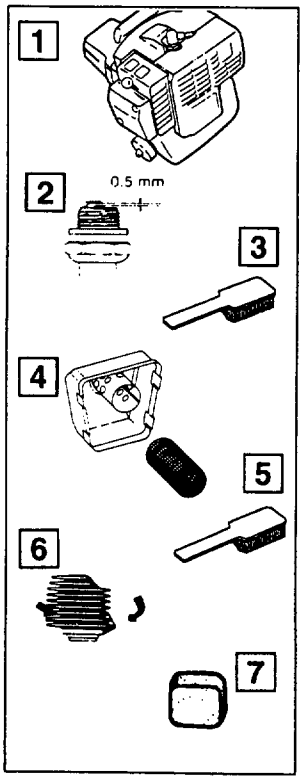


Daily maintenance

1. Clean the outside of the trimmer.
2. Check that the stop switch functions.
3. Clean the air filter. Replace if necessary.
4. Check guards for damage and ensure that they are not cracked. Replace the guards if they have been exposed to impact or are cracked.
5. Check that the trimmer head is undamaged and not cracked. Replace the trimmer head if necessary.
6. Check that all nuts and screws are tightened.

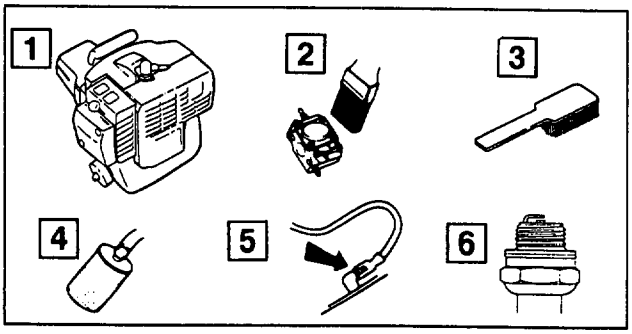
Weekly maintenance

1. Check the starter, the starter cord and the return spring.
2. Clean the outside of the spark plug. Remove and check the electrode gap. Adjust the gap to 0.5 mm or change the spark plug.
3. Clean the cooling fins on the flywheel.
4. Clean or replace the spark arrest screen on the silencer.
5. Clean the carburetor area.
6. Clean the cooling fins on the cylinder and check that the air intake in the starter unit is not blocked.
7. Clean the air filter.



Monthly maintenance

1. Clean the fuel tank using petrol.
2. Clean the carburetor and the area surrounding it.
3. Clean the fan and the area around it.
4. Check the fuel filter and the fuel pipe, replace if necessary.
5. Check all cables and connections.
6. Change the spark plug.



TECHNICAL DATA

Technical data	MONDO MAX	
MASS		
Unit without cutting attachment and guard, empty tank	4.83 kg	
VOLUME		
Fuel tank	480 cm3	
CUTTING ATTACHMENT		
Type, diameter for blades		
Trimmer head	108 mm	
ENGINE		
Engine displacement	24 cm3	
MAXIMUM ENGINE POWER		
according to ISO 8893	.53 Kw	
ROTATIONAL SPEEDS		
Idling speed:	3000 rpm	
Maximum recommended output shaft speed:	5450 rpm	
Engine speed at maximum recommended output shaft speed:	6700 rpm	
FUEL CONSUMPTION		
according to ISO 8893		
Fuel consumption at maximum engine power speed:	407 g/h	
Specific fuel consumption at maximum engine power speed:	768 g/kWh	
SOUND PRESSURE LEVEL		
according to prEN 31806	Idling: 77,5 dB(A)	
	racing: 96,0 dB(A)	
SOUND POWER LEVEL		
according to ISO/CD 10884	Idling: 72 dB(A)	
	racing: 89 dB(A)	
OCTAVE BAND ANALYSIS	100-10000HZ 1/3 Octave Band Analysis	
VIBRATIONS		
according to ISO 7916		
Idling:	Front handle	5.5 m/s2
	Rear handle	4.5 m/s2
Racing:	Front handle	9.5 m/s2
	Rear handle	8.2 m/s2